

Serial No. 10/673636

- 2 -

Art Unit: 2687

In the claims:

1. (cancelled)

2. (currently amended) ~~The access point of claim 1~~ An access point operable to provide wireless network access to client devices coupled to a wireless network, the access point comprising:

an external indication of the access point's proximity to another access point, said another access point also for providing to client devices access to the wireless network,

wherein the external indication is an LED, and wherein the LED blinks at a rate that is related to the proximity of the access point to said another access point.

3. (cancelled)

4. (cancelled)

5. (cancelled)

6. (cancelled)

7. (currently amended) ~~The access point of claim 6, the controller further comprising:~~ An access point operable to provide wireless network access to client devices coupled to a wireless network, the access point comprising:

Serial No. 10/673636

- 3 -

Art Unit: 2687

a controller capable of automatically choosing one of a plurality of radio frequencies on which to operate, said controller choosing said frequency after evaluating frequencies on which other access points may be operating, said controller comprising:

- a. logic for picking a frequency;
- b. logic for transmitting on said frequency;
- c. logic for receiving on said frequency;
- d. logic for evaluating whether other access points are heard on said frequency;
- e. logic for reducing transmission power;
- f. logic for evaluating whether said other access points are still heard on said frequency;
- g. logic for storing the transmission power at which no other access points are heard;
- h. logic for picking a next frequency as the frequency and repeating steps b-g until all of the plurality of frequencies has been picked;
- i. logic for comparing said stored transmission powers;
- j. logic for choosing for operation the frequency associated with the highest stored transmission power.

8. (cancelled)

9. (currently amended) ~~The method of claim 8~~ A method comprising the steps of:
providing an access point operable to provide wireless network access to client devices
coupled to a wireless network;

Serial No. 10/673636

- 4 -

Art Unit: 2687

providing on the access point an external indication of the access point's proximity to another access point, said another access point also for providing to client devices access to the wireless network;

wherein the external indication is an LED and the wherein the step of providing on the access point an external indication of the access point's proximity to another access point includes the step of:

causing the LED to blink at a rate that is related to the proximity of the access point to said another access point.

10. (cancelled)

11. (cancelled)

12. (cancelled)

13. (cancelled)

14. (currently amended) ~~The method of claim 13;~~ A method comprising the steps of:
providing an access point operable to provide wireless network access to client devices
coupled to a wireless network;

automatically choosing by the access point one of a plurality of radio frequencies on which to operate, after evaluating frequencies on which other access points may be operating.

wherein the step of automatically choosing comprises the steps of:

Serial No. 10/673636

- 5 -

Art Unit: 2687

- a. picking a frequency;
- b. transmitting on said frequency;
- c. receiving on said frequency;
- d. evaluating whether other access points are heard on said frequency;
- e. reducing transmission power;
- f. evaluating whether said other access points are still heard on said frequency;
- g. storing the transmission power at which no other access points are heard;
- h. picking a next frequency as the frequency and repeating steps b-g until all of the plurality of frequencies has been picked;
- i. comparing said stored transmission powers;
- j. choosing for operation the frequency associated with the highest stored transmission power.

15. (cancelled)

16. (currently amended) A program product comprising a computer readable medium having embodied therein a computer program for storing data, the computer program comprising logic for causing an external indication of an access point's proximity to another access point, said access point and said another access point for providing to client devices access to a wireless network

~~The program product of claim 15~~ wherein the external indication is an LED, and wherein the logic for causing an external indication causes the LED to blink at a rate that is related to the proximity of said access point to said another access point.

Serial No. 10/673636

- 6 -

Art Unit: 2687

17. (cancelled)

18. (cancelled)

19. (cancelled)

20. (cancelled)

21. (currently amended) ~~The program product of claim 20;~~ A program product comprising a computer readable medium having embodied therein a computer program for storing data, the computer program comprising:

logic for operation in an access point, the access point operable to provide wireless network access to client devices coupled to a wireless network, the logic for automatically choosing one of a plurality of radio frequencies on which to operate, the logic choosing said frequency after evaluating frequencies on which other access points may be operating, the logic comprising:

- a. logic for picking a frequency;
- b. logic for transmitting on said frequency;
- c. logic for receiving on said frequency;
- d. logic for evaluating whether other access points are heard on said frequency;
- e. logic for reducing transmission power;
- f. logic for evaluating whether said other access points are still heard on said frequency;

Serial No. 10/673636 - 7 -

Art Unit: 2687

- g. logic for storing the transmission power at which no other access points are heard;
- h. logic for picking a next frequency as the frequency and repeating steps b-g until all of the plurality of frequencies has been picked;
- i. logic for comparing said stored transmission powers;
- j. logic for choosing for operation the frequency associated with the highest stored transmission power.